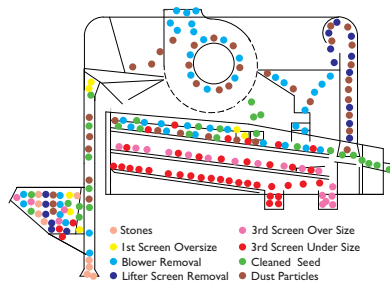


Air Screen Seed Grader

MODEL - SUPER - III



Specially designed for efficient cleaning and grading of various spices like coriander, cumin, fennel, ajwain etc. Also suitable for cleaning and grading of all types of grains and seeds.



Features

- Robust machine of all steel construction
- Dynamically balanced aspirator fan
- Low level feed hopper equipped with the feed roller and feed control gate
- Specially designed Nylon Brushes to check sieve perforation clogging of bottom screen
- Stepless variable air controls
- Air chamber; sieve deck assembly and spouts are self cleaning type
- Belt guard provided
- Easily changeable sieves with large surface screening area
- Sieve reciprocation provided by means of eccentric and connecting rods

Working

Material is fed into a low level feed hopper where it is sucked up by aspirator fan and drop on the top sieve. Before falling on top screen material is subjected to primary aspiration which drains off chaff, straw, dust, & other lighter impurities. Material is then passed through three sieve layers for separation according to width and thickness. Cleaned/graded material again passes through air lifter and aspirator where remaining light particles are sucked off by a strong upward draught of air. Final product and impurities are collected separately through discharged chutes.

Optional Sub-assemblies & Parts

Dust Collector; Air Trunk

Note :This grader does not need a feeding elevator as the feeding hopper is at low level and feeding of material is through pneumatic, suction.

TECHNICAL SPECIFICATIONS

Model	Capacity (based-on wheat) TPH	No of Screens	Size of each Screen in mm (WxL)	Screen Perforation Cleaning Device	Screen Inclination	No. of Aspirations	Fan Capacity	Fan Speed	Electric Motor for Blower	Q.A. Size in cms (LxWxH)	No of Scalping	No of Grading	Total Screen Area
Super-III	1-1.2 TPH (based on wheat) 8-10 bags/hr of coriander (Dhania)	3	Top - 89 x 100 Middle & Bottom- 89 x 180	Top - Beaters Middle & Bottom- Nylon Brush	Fixed	2	7500 CMH at 75 mm WGSP	900 RPM	5 HP 3 Phase 440V	356x175x285	1	2	4.1 sq m

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type & volumes of contaminants to be separated & the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner. *Capacity based on wheat

OSAW AGRO INDUSTRIES PVT. LTD.

P.O. Bag 5, Agrosaw Complex, Jagadhri Road, Ambala Cantt., Haryana - 133001 India

(+91) 171 2699354, 2699547, 2699167 (+91) 171 2699018

agrosaw@agrosaw.com www.agrosaw.com

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